

# HOT LINK PRO! Instructions

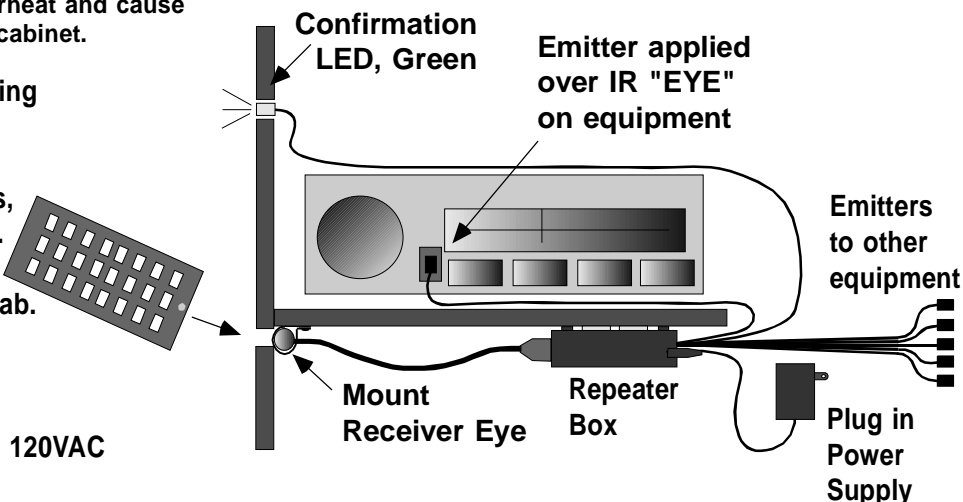
**Microsmith**  
WWW.HOT-LINK.COM INC.

Thank you for purchasing the HOT LINK PRO! Remote Control Booster System, a supersensitive, hidden, infrared (IR) remote control repeater. With HOT LINK PRO!, IR remote controls can operate equipment hidden in closed cabinets and increase the useful distance of remote controls up to sixty-five feet.

## Quick Setup Guide


**Caution:** DO NOT enclose equipment not meant to be fully enclosed. While most equipment may not overheat in a moderately-sized cabinet, some equipment such as high-powered amplifiers and receivers may overheat and cause damage. Allow for ventilation through back of cabinet.

- 1 Mount Receiver Eye in visible location using screw tab or Velcro™ tabs.
- 2 Apply Emitters to original equipment eyes, removing red backing on adhesive tabs.
- 3 Mount confirmation LED using adhesive tab.
- 4 Mount the Repeater Box with Velcro™ tabs.
- 5 Plug power supply into Hot Link Pro! and 120VAC standard outlet.



## Detailed Guide and Hot Tips

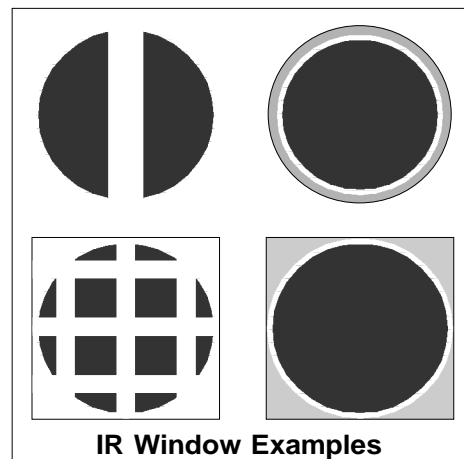
### Receiver Eye

Eye Window 

Because the Receiver Eye is so sensitive, it can be located in a slot behind a cabinet door on the front or mounted on an exposed part of the cabinet top, an exposed shelf, behind a speaker grill, behind a cabinet "looking" out into the room or mounted in the toe-kick facing the floor. It can often work at the back of the room where equipment may be installed. Eye Window should not be facing direct sunlight, high powered flood lamps, 12 volt halogen lamps driven by switching type power supplies, or High-efficiency screw-in type fluorescent lamps. These items may emit too much Low Frequency (LF) RF, too much Pulsed IR or too much ambient light. If used in conjunction with other IR repeaters, verify they are not emitting spurious IR. Mount Eye at least one foot from your television, if possible. The Hot Link Pro is excellent at blocking LF RF from TV sets but can sometimes receive interference from larger sets. The Receiver eye may need to be shielded from direct view of Plasma Discharge TV screens that emit pulsed IR. Noise activity is indicated when the Green LED glows with no remote control activity. Find source of noise and eliminate or move Receiver Eye away from noise until LED is off. Addition of non-factory RCA extension cables may affect performance. Extension cables are available in custom lengths to 25 feet.

### Emitters

Locate the IR eye of your equipment, using a flashlight to look *through* the faceplate (front) to find the eye, which may look like a small circle, see examples. Or check the equipment owners manual for the location of the remote control window. If the eye cannot be located with confidence, complete the step of connecting the Plug-in Power Supply. Then peel off red backing from clear tape on one Emitter and with the equipment turned on and it's face blocked from the hand-held remote control, do not block the HOT LINK PRO! Receiver Eye. Holding remote a few feet from Receiver Eye, press a known function button, moving the IR Emitter slowly across the front panel about a quarter of an inch in front of the surface, until the equipment responds to the remote control command. When best position is located, apply IR Emitter to front with sticky side on equipment.

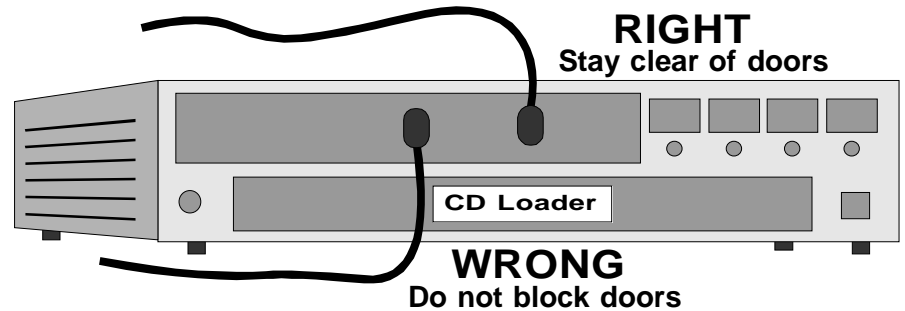


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## Emitters, Continued...

Route wires to avoid covering tape/disc slots and doors on equipment that might pull Emitter wires upon opening or jamb on wires when closing. Lengthening emitter wires requires marking polarity before cutting. Factory custom lengths available to 25 feet.

Non-contact option: Peel off double-stick tape from Emitter, tape wire to shelf or clamp wire under a foot of one piece of equipment. Then bend wire so that it holds the Emitter in front of, and pointing at, the "EYE" on the equipment, up to three inches away.



## Green Confirmation LED

Mount the Green LED in a very discrete slot using the adhesive tab. When functioning properly, the LED is off when not receiving a remote command, blinks when activated by a remote control, or blinks once upon unplugging the Receiving Eye's RCA connector at the Repeater Box. The LED lights inadvertently if detecting spurious IR or LF RF entering the Receiver Eye. See Receiver Eye details for tips on eliminating noise.

## Repeater Box and Emitter Wires

The Repeater Box is well shielded by an internal metal box and stands up to a great deal of RF noise injection. However, with enough RF noise it is possible to inject noise into the Emitter wires if they are too close to the fly-back transformer in a TV set. Avoid bundling emitter wires near the back of the TV. For rear screen projection sets, the fly-back transformers are mounted in the lower part of the TV set and can be easily avoided.

## Power Supply

Hook up the Plug-in Power Supply by simply plugging in the connector at the end of the cord into the power input connector on the back of the Repeater Box, then plug Power Supply into suitable 110-120 Volt standard wall outlet.

## System Check

Verify operation by first turning your system on with the remote control. Verify further by testing various remote commands with the equipment hidden. Next try aiming remote control at furniture, walls, floor and ceiling, etc. to find infrared light reflecting objects to bounce commands to the HOT LINK PRO! Remote Control Booster and your home theater system.

## Operating Tips

The HOT LINK PRO! automatically extends its range as ambient light decreases, and hence has more sensitivity the darker the surrounding light. It may perform slightly differently in the day than at night. HOT LINK PRO! receives remote commands even if your equipment is behind you or overhead, like projection televisions. High-efficiency screw-in type fluorescent lights and some radio-type IR repeaters can interfere with HOT LINK PRO! Some receivers use high frequency remote controls above 60Khz that are not repeatable through Hot Link Pro! Remember to keep your remote batteries fresh.

## Accessories

- ▶ Additional Receiver Eye for connecting to other IR emitters, supplied with "Y" RCA adapter
  - ▶ Coax Extender Cable, custom lengths to 25 feet. (additional length may reduce IR distance)
  - ▶ 12 Volt Adapter with fuse for use in motor homes
  - ▶ Power Supply for use with 120VAC
  - ▶ Replacement adhesive tape, free for the asking
- 
- ▶ For indoor use only.
  - ▶ Liability of product limited to cost of product replacement.
  - ▶ Non-specified use is the responsibility of the user.
  - ▶ DO NOT OPEN Power Supply or Repeater Box: No user serviceable parts inside.
  - ▶ Do not expose HOT LINK PRO! to water, moisture or rain.
  - ▶ Connect only to 110-120 VAC. Or 12VDC using fused Power Adapter
  - ▶ Refer servicing to qualified personnel. Read all instructions before use, retain for future reference.

For service, and accessories,

call: 800-999-8846

[WWW.HOT-LINK.COM](http://WWW.HOT-LINK.COM)



P.O. BOX 7829  
Jackson, WY 83002